

ABSTRACT OF THE DISCLOSURE

A method for identifying authorized users and the apparatus of the same, which identifies users by comparison with specific spectrograms of authorized users. The method comprises the steps of: (i) detecting the end point of a verbalized sample from the user requesting access; (ii) retrieving speech features from a spectrogram of the speech; (iii) determining whether training is necessary, and if so, taking the speech features as a reference template, setting a threshold and going back to (i), otherwise going on to next step; (iv) matching patterns of the speech features and the reference template; (v) computing a distance between the speech features and the reference template according to the matching result of (iv) to obtain a distance scoring; (vi) comparing the distance scoring with the threshold; (vii) determining whether the user is authorized according to the compared result of (vi).